Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/15/2021 09:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125775	0	1.39	125872	1.40
Blue	F	SSC	125000	124803	-1	2.43	125642	2.42
Blue	E	FITC	14203	13740	-4	2.25	297	14.76
Blue	D	PE	25703	25360	-2	1.75	550	10.62
Blue	B	PerCP-Cy5-5	42104	41762	-1	2.70	929	13.93
Blue	A	PE-Cy7	34646	34289	-2	4.14	491	28.89
Red	C	APC	49824	49437	-1	2.43	1518	11.21
Red	A	APC-Cy7	39773	38999	-2	2.36	729	11.31
Violet	B	V450	7447	7171	-4	3.72	411	12.08
Violet	A	V500	31193	30343	-3	3.52	691	10.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21682	1.95	543	-13	N/A	N/A	Pass
Blue	F	SSC	55578	1.89	510	-2	N/A	N/A	Pass
Blue	E	FITC	54	53.22	481	-5	0.0455	141	Pass
Blue	D	PE	108	36.58	483	-2	0.3147	167	Pass
Blue	B	PerCP-Cy5-5	180	34.75	575	-2	0.0214	81	Pass
Blue	A	PE-Cy7	112	61.16	618	-2	0.0221	0	Pass
Red	C	APC	354	23.28	566	-1	0.0278	56	Pass
Red	A	APC-Cy7	204	24.56	542	-2	0.0069	1247	Pass
Violet	B	V450	90	39.98	453	4	0.0521	1675	Pass
Violet	A	V500	120	28.66	471	4	0.0232	467	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.42	-31.20	1.02
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	20.41	15.99 - 23.99	N/A	N/A	29.77	29.98	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9828

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments